

**Bandera Road
Ground Water Plume
BEXAR COUNTY
LEON VALLEY, TEXAS**



EPA REGION 6
CONGRESSIONAL DISTRICT 20

Contact:
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Site ID: 0606565

Background

The Bandera Road Ground Water Plume Superfund Site (Site) is located in the City of Leon Valley, Bexar County, Texas. The Site encompasses an area of approximately 1 mile long by ½ mile wide. The site was identified as a result of assessment activities conducted pursuant to the Texas Commission on Environmental Quality Voluntary Clean-up Program. The investigation identified the presence of tetrachloroethene (PCE) and trichloroethene (TCE) in concentrations above the Maximum Contaminant Level within the Edwards Aquifer. The Maximum Contaminant Level for both is 5 parts per billion. The Edwards Aquifer is the sole-source drinking water aquifer for central Texas.

Current Status

The U.S. Environmental Protection Agency's (EPA's) held a public meeting to announce the Proposed Plan for the Bandera Road Ground Water Plume Superfund Site. The public meeting took place at:

Leon Valley Community Center
6427 Evers Road
Leon Valley, Texas 78238
July 21, 2011 at 7:00 pm

The Proposed Plan identified the Preferred Alternative for cleaning up contaminated vapor, soil and ground water and provided the rationale for this preference. In addition, the Plan included summaries of other cleanup alternatives evaluated for use at the site. EPA in consultation with the Texas Commission on Environmental Quality may modify the Preferred Alternative or select another response action presented in the Proposed Plan based on new information or public comments. The public comment period on the Proposed Plan began on July 18, 2011, and ended on October 15, 2011. During the public comment period, two parties requested that EPA give them time to conduct additional investigative activities which could inform EPA's remedy decision. These parties were given time to conduct this work. These investigative activities included the installation and sampling of ground water monitoring wells, collecting sub-slab soil samples at the location of a former dry cleaner, installing soil vapor extraction (SVE) pilot test wells, and conducting an SVE pilot test. This work was completed in August 2012. The EPA is currently working with the Texas Commission on Environmental Quality in developing the site's Record of Decision.

The EPA is presently working with the Edwards Aquifer Authority (EAA) in identifying the locations of former water wells in the area. Historical road maps have been used to help identify former well locations. On November 22, 2011, EAA employees surveyed six potential well locations. EAA procured a surface geophysics contractor to search for buried well casings at the six locations on February 16 and 17, 2012.

The field results indicated significant buried metal objects at four suspected well locations. A report from this effort was provided in March.

EPA Enforcement Activities:

- CERCLA 104(e) information request letters were sent to gather information regarding potential contaminant sources.
- Field Consent Order issued to owner of former dry cleaner to address vapor intrusion.

Benefits

The purpose of EPA's remedial investigation is to identify the nature and extent of ground water contamination and potential vapor intrusion exposure pathways. This information will be used in developing remediation strategies to address potential risks posed by the impacted soils and ground water.

National Priorities Listing (NPL) History

NPL Inclusion Proposal Date: September 26, 2006
NPL Inclusion Final Date: March 7, 2007

Site Description

The Site is centered in a business area, with some homes nearby, between Poss Road and Grissom Road, southwest of Bandera Road. Ongoing sampling and the investigation may affect the estimated plume extent. Two City of Leon Valley public water supply wells are within one mile of the center of the contamination plume. These two public water supply wells are routinely sampled by EPA to ensure public safety.

Wastes and Volumes

The site is being evaluated as a groundwater plume containing PCE, TCE and cis-1,2-dichloroethene (cis-1,2-DCE). To date, fourteen wells were found to be contaminated with PCE and/or TCE at or above the 5.0 parts per billion. Three of these wells were Edwards Aquifer wells which have been plugged and abandoned. An additional well which was located at an automotive repair facility was also plugged and abandoned.

The most impacted well is an Austin Chalk monitoring well located by a former dry cleaning facility in which PCE concentrations as high as 11,700 ppb have been detected.

Health Considerations

Human exposure to contaminated ground water is currently prevented by providing access to a public water supply for residences whose wells were found to be contaminated with PCE/TCE above the Federal drinking water standards. Water well sampling is continuing to ensure additional wells are not being impacted. As discussed previously, vapor mitigation efforts have taken to address vapor intrusion in the area around a former dry cleaning facility.

Record of Decision (ROD) _____

A Record of Decision will be issued following completion of the Remedial Investigation/Feasibility Study. The community and interested parties were encouraged to review the data and comment on the preferred remedy identified by the EPA.

Site Contacts _____

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| EPA Remedial Project Manager: | Camille Hueni | 214-665-6758 |
| EPA Community Involvement | Donn R. Walters | 214-665-6483 |
| EPA Site Attorney: | Jacob Piehl | 214-665-2138 |
| EPA Regional Public Liaison: | Donn R. Walters | 214-665-6483 |
| TCEQ Project Manager | Marilyn Long | 512-239-0158 |

EPA Superfund Region 6 Toll-Free Number: 1-800-533-3508

Site Figure _____

The following figure shows the maximum PCE detections in ground water for samples collected from September 2010 through May 2012. The "U" flagged values indicate that PCE was not detected at the laboratory reporting limit.



Legend

-  Anacacho Limestone Well
-  Austin Chalk Well
-  Buda Limestone Well
-  Municipal Well